

FULL LINE



MAGNA-LOC



SEAM-LOC 24



SNAP-LOC 24



VERTICAL SEAM



PRO-LOC I



PRO-LOC II



PRO-LOC III



MINI-BATTEN



MAXI-BATTEN



IMAGE II



SOFFIT PANEL



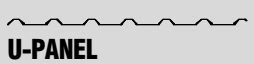
STILE



IC72-PANEL



R-PANEL



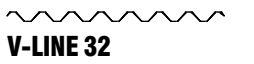
U-PANEL



SPAN-LINE 36



SPAN-LINE 36A



V-LINE 32



PRO-PANEL II



CLASSIC RIB



5V CRIMP

metal sales
manufacturing corporation



Corporate Office
(812) 246-1935
www.mtlsales.com

U-PANEL

SPECIFICATIONS

GUIDE SPECIFICATIONS

SECTION 07410 ROOF AND WALL PANELS

SECTION 07610 METAL ROOFING

Specifier: Notation (#) means that text following is a specifier's note or sample.

PART 1 - GENERAL

1.01 Description

Specifier: Do not alter paragraph A. except by adding section title in parenthesis.

A. General

1. Furnish all labor, material, tools, equipment, and services for all preformed (# Choose one: roofing, fascia, siding, soffit, mansard) as indicated, in accord with provisions of Contract Documents.
2. Completely coordinate with work of all other trades.
3. Although such work is not specifically indicated, furnish and install all supplementary or miscellaneous items, appurtenances and devices incidental to or necessary for a sound, secure and complete installation
4. See Division 1 for General Requirements.

B. Related work specified elsewhere:

1. Structural steel: Section 05100.
2. Steel joists: Section 05200 or 05400
3. Flashing and sheet metal: Section 07600.

Specifier: Delete references to sections not used and add any references to sections which are pertinent.

1.02 Quality Assurance

A. Applicable standards:

1. SMACNA: "Architectural Sheet Metal Manual" Sheet Metal and Air Conditioning Contractors National Association, Inc.
2. AISC: "Steel Construction Manual" American Institute of Steel Construction.
3. AISI: "Cold Form Steel Design Manual" American Iron and Steel Institute.
4. ASTM A792-89: Standard Specification for Steel Sheet, Aluminum-Zinc Alloy Coated by the Hot Dip Process, General Requirements
5. ASTM A527-90: Standard Specification for Steel Sheet, Zinc Coated (Galvanized) by the Hot-Dip Process, Lock-Forming Quality
6. ASTM A526-90: Standard Specification for Steel Sheet, Zinc, Coated (Galvanized) by the Hot-Dip Process, Commercial Quality.
7. ASTM A446-91: Standard Specification for Steel Sheet, Zinc Coated (Galvanized) by the Hot-Dip Process, Structural (Physical) Quality.

B. Manufacturer's qualifications:

1. Manufacturer has a minimum of three years experience in manufacturing panels of this nature in a permanent, stationary, indoor production facility.

C. Installer's qualifications:

1. Installation of panels and accessories by installers with a minimum of three years experience in panel projects of this nature.

1.03 Submittals

A. Shop drawings:

1. Submit complete shop drawings and erection details to Architect for review. Do not proceed with manufacture prior to review of shop drawings. Do not use drawings prepared by Architect for shop or erection drawings.
2. Shop drawings show methods of erection, elevations, and plans of roof panels, sections and details, anticipated loads, flashings, roof curbs, vents, sealants, interfaces with all materials not supplied and proposed identification of component parts and their finishes.

B. Samples:

1. Submit samples and color strips for all proposed finishes.
 - a. Submit one 12 in. long sample of panel.
 - b. Submit two 3 in x 5 in. color chip samples in color selected by Architect.

C. Warranty(s):

1. Metal panel manufacturer, upon final acceptance for project, furnish a warranty covering bare metal against rupture, structural failure, and perforation due to normal atmospheric corrosion exposure for a period of 20 years.
2. Covering panel finish against cracking, checking, blistering, peeling, flaking, chipping, chalking, and fading for a period of twenty (20) years.

1.04 Product Delivery, Storage and Handling

A. Delivery: Deliver panels to job site properly packaged to provide protection against transportation damage.

B. Handling: Exercise extreme care in unloading, storing, and erecting panels to prevent bending, warping, twisting, end and surface damage.

C. Storage: Store all material and accessories above ground on well skidded platforms. Store under waterproof covering. Provide proper ventilation to panels to prevent condensation buildup between each panel.

Specifier: Choose the appropriate "Part 2 - Products" section that applies. If more than one type (series) is used on a project, renumber as necessary.

PART 2 - PRODUCTS (# U-PANEL SERIES, minimum slope of 1:12, for roofing, mansard, wall, liner, soffit, equipment screen)**2.01 Materials**

- A. Panel profile:
 - 1. U-Panel, 3/4 in. height rib x 36 in width.
- B. Panel Style:
 - 1. Sidelap seam
 - 2. Exposed fastener
- C. Gauge: (# choose one)
 - 1. 22 gauge.
 - 2. 24 gauge.
 - 3. 26 gauge.
- D. Texture: (# choose one)
 - 1. Smooth.
- E. Finish: (# choose one)
 - 1. Premium Colorfast 25[®] coating (# 20 year warranty).
 - 2. Premium fluorocarbon coating produced with Kynar-500 or Hylar 5000 resin (# 20 year warranty).
 - 3. Acrylic Coated Galvalume[®] (# 20 year warranty).
- F. Color:
 - 1. Selected from manufacturer's standard line.
- G. Acceptable manufacturer:
 - 1. METAL SALES MANUFACTURING CORPORATION
(800) 944-3786

Insert: Architect's method of approval of "or equals."

- I. Other manufacturers desiring approval, comply with Section 01630.

2.02 Fabrication

- A. Roll form panels in continuous lengths, full length of detailed runs.
- B. Fabricate trim, flashing and accessories to detailed profiles.
- C. Fabricate trim and flashing from same material as panel.

PART 3 - EXECUTION**3.01 Surface Conditions**

- A. Inspection:
 - 1. Inspect installed work of other trades and verify that such work is complete to a point where this work may continue.
 - 2. Verify that installation may be made in accordance with approved shop drawings and manufacturer's instructions.
- B. Discrepancies:
 - 1. In event of discrepancy, notify Architect.
 - 2. Do not proceed with installation until discrepancies have been resolved.

3.02 Installation

- A. Install panels so that they are weathertight, without waves, warps, buckles, fastening, stresses or distortion, allowing for expansion and contraction.
- B. Install panels in accordance with manufacturer's installation instructions and shop drawings.
- C. Install panels plumb, level, and straight with seams and ribs/battens parallel, conforming to design as indicated.

3.03 Cleaning, Protection

- A. Dispose of excess materials and remove debris from site.
- B. Clean work in accordance with manufacturer's recommendations.
- C. Protect work against damage until final acceptance. Replace or repair to the satisfaction of the Architect, any work that becomes damaged prior to final acceptance.
- D. Touch up minor scratches and abrasions.